

Sunload Sensor (Auto A/C Model)

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

24.Sunload Sensor (Auto A/C Model)

A: REMOVAL

NOTE:

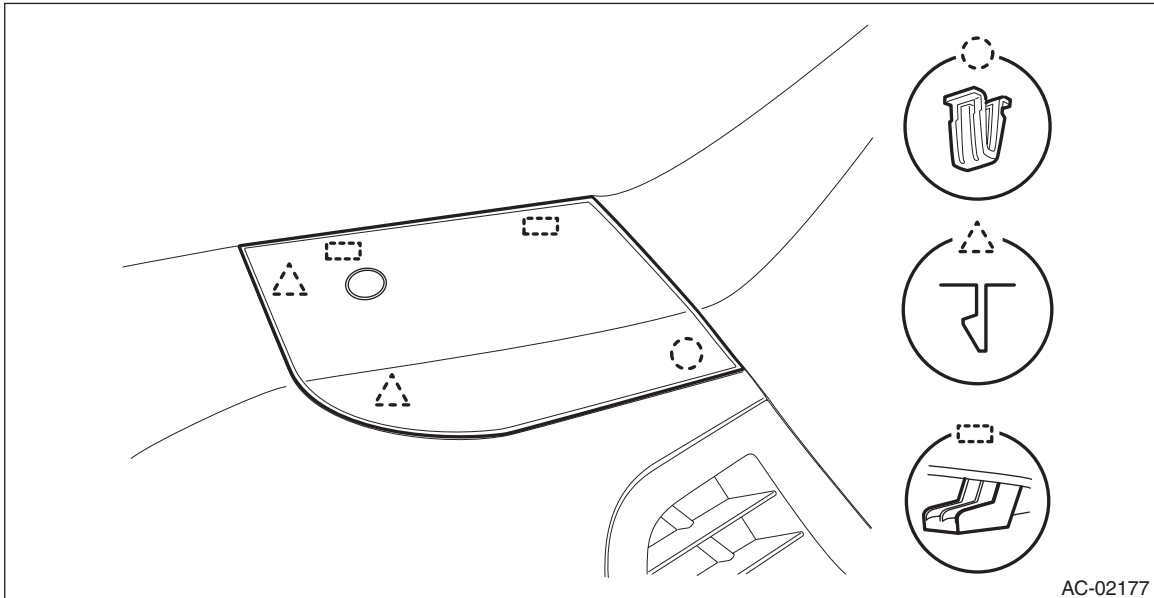
The sunload sensor is integrated with the light control sensor.

- 1) Disconnect the ground cable from battery.
- 2) Remove the sunload sensor.

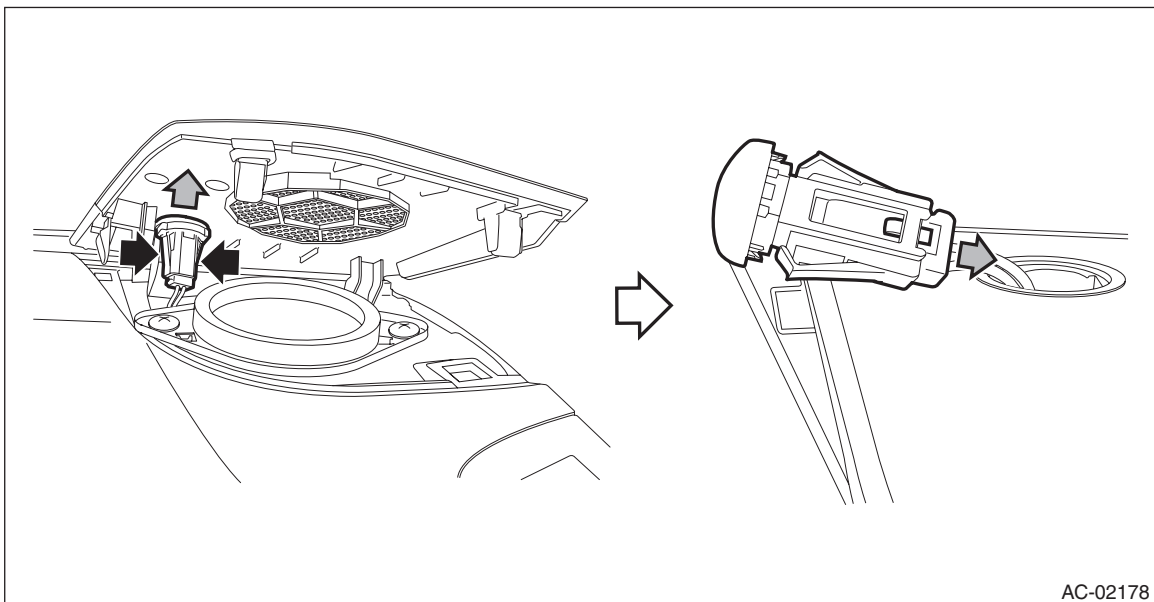
CAUTION:

Be careful not to damage the sensors and interior trims when removing.

- (1) Release the claws and clips, then detach the side speaker cover (RH).



- (2) Push out the sunload sensor by pressing the left and right claws.
- (3) Disconnect the connector and remove the sunload sensor.



B: INSTALLATION

Install each part in the reverse order of removal.

C: INSPECTION

Preparation tool:

Subaru Select Monitor III kit

- 1) Check if there is anything that affects sensing, around the sunload sensor.
 - (1) Is there anything placed on the sunload sensor that disturbs sensing?
 - (2) Is there anything on the windshield glass, such as sticker and film, that disturbs sensing?
 - **No** → Go to step 2).
 - **Yes** → Remove everything that affects sensing.
- 2) Check the sunload sensor using the Subaru Select Monitor.
 - (1) Prepare the Subaru Select Monitor kit.
 - (2) Run the "PC application for Subaru Select Monitor".
 - (3) On «Main Menu» display, select {Each System Check}.
 - (4) On «System Selection Menu» display, select {Air Condition System}.
 - (5) On «Air Conditioning Diagnosis» display, select {Current Data Display & Save}.
 - (6) Select {Quantity of Sunload} with UP/DOWN key and set with the [OK] key.
 - (7) Cover the sunload sensor with cloth and the like to avoid direct light. Does {Quantity of Sunload} indicate 0 W/m²?
 - **Yes** → Go to step 3).
 - **No** → Replace the sunload sensor.
- 3) From step 2), expose the sunload sensor to light.
 - (1) Place intense light such as incandescent light at 30 cm or less from the sunload sensor.
 - (2) Does the {Quantity of Sunload} indicate 2,000 W/m² or less?

CAUTION:

The value changes depending on the angle of light.

- **Yes** → The sunload sensor is normal.
- **No** → Replace the sunload sensor.